

		Southern Adish Gas Condensate Refinery Project						 SOUTHERN ADISH GAS CONDENSATE REFINERY COMPANY		
		INSTRUMENT DATA SHEETS For TEMPERATURE GAUGES & TEST WELLS - Sour Water Stripping								
		Unit								
Class : 1		Project	Phase	Unit	Disc	Type	Seq. No	Rev.	Page 17 of 19	
		SACR	DE	SWS	IN	DSH	5502	03		
Temperature Gauges & Test Wells										
GENERAL	1	Item Number	Tag Number		Quantity		TW-509-048		1	
	2	Service					E-509-03			
	3	P & ID No.					SACR-DE-SWS-PR-PID-1206			
	4	Line/Equipment No.	Piping Class				SWA-4"-509-032-NILON-PT		NILON	
PROCESS CONDITIONS	5	Fluid	Phase				STRIPPED BOTTOM	LIQUID		
	6	Oper. Press.			Unit	1.5			Bar(g)	
	7	Design Press.	Min	Max			-	155	Bar(g)	
	8	Oper. Temp.			Unit	127.6			°C	
	9	Design Temp.	Min	Max			-	4.5/FV@AMB	°C	
	10	Oper. Density			Unit	924.20			Kg/m3	
	11	Oper. Viscosity			Unit	0.215			cP	
	12	Maximum Velocity			Unit	1.100			m/s	
	13	Corrosive Service	Nace Requirement (MR 0175)				YES		YES	
	14	Toxic Service	Solid Particle				NO		NO	
Thermometer	15									
	16	Type					N/A			
	17	Instrument Range			Unit				°C	
	18	Dial Size (mm)	Dial Color							
	19	Case Material								
	20	Element Type	Element Material							
	21	Connection Type	Connection Size							
	22	Pointer Color	Pointer Material							
	23	Stem Type	Stem Material							
	24	Stem Position								
	25	Stem Length	Stem Diameter							
	26	Accuracy	Ingress Protection							
	27	Window Material								
	28	Over range Protection								
	29	External Calibration Adjustment								
	30	Adjustable Compression Fitting								
	31	Form								
	32	Filled System	Type							
	33		Compensation							
	34		Capillary Length							
	35		Capillary Material							
	36		Armour Material							
	37		Bulb Material							
	38		Bulb Length							
39	Bulb Type									
40	Bulb Connection									
41	Bulb SAMA Class									
Thermowell	42									
	43	Process Connection	Size	Rating	Facing	1"	#150	R.F		
	44	Connection Type					Tapered drilled bar stock with full penetration welding			
	45	Well & Flange Material					A 182 316/316L			
	46	Instrument Connection					1/2" NPT			
	47	Insertion Length (U) mm					200mm			
	48	Lagging Extension (T) mm					75mm			
	49	Bore Diameter	Tip Thickness			8.5 mm	6.4 mm			
	50	Root Diameter	Tip Diameter			18 mm	15 mm			
	51	Treatment	Coating			-	-			
	52	Finish					-			
	53	Stamping					-			
	54	Name Plate Material					Stainless Steel			
	55	Standard Drawing Number					-			
PURCHASE	56	Anti Abrasion Material	Anti Abrasion Thickness (mm)				-	-		
	57	Screwed Plug and Chain					Yes			
	58	Wake Frequency Calculation					Required (ASME PTC 19.3TW-latest version)			
	59	Manufacturer					**			
	60	Model					**			
	61	Requisition Number					-			

Notes:

1. **: To be defined by Vendor